

nlinear

Using NAG nonlinear solver to optimize. Either use Powell hybrid method to find a solution for a system of nonlinear equations, or take modified-Newton algorithm for finding a minimum of cost functions.

[called by: [notopt.](#)]

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1.1 Powell hybrid method

We are calling [NAG:C05PDF](#) to find to find a solution for a system of nonlinear equations which is composed with the first derivatives of cost functions. And also the first derivatives for the equations, which is the second derivatives of cost funtions are provided. The maximum calling count is also decided by th [Ntauout](#).

1.2 Modified-Newton method

not yet implemented. [NAG:E04LBF](#)

1.3 Singular-value decomposition

[NAG:F08KBF](#)